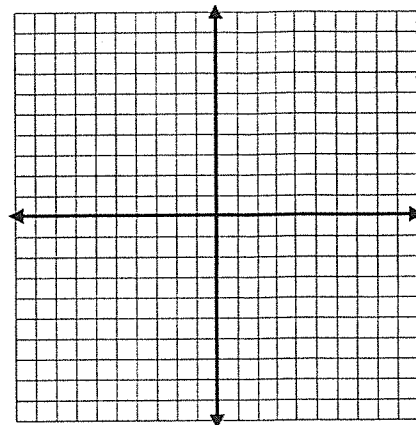


Solving Systems of Equations by Graphing – Quadratics!

Solve the system of equations by graphing.

1.
$$\begin{cases} y = x - 1 \\ y = x^2 - 2x - 1 \end{cases}$$



Now check that your answers are correct by substituting them into the equations above.

Answer #1: (,)

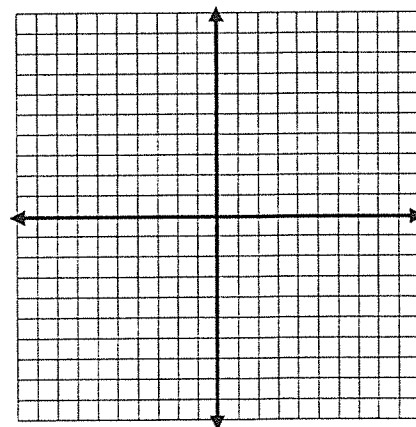
Answer #2: (,)

Check answer #1:

Check answer #2:

Solve the system of equations by graphing.

2.
$$\begin{cases} y = -2x + 3 \\ y = x^2 - 4x \end{cases}$$



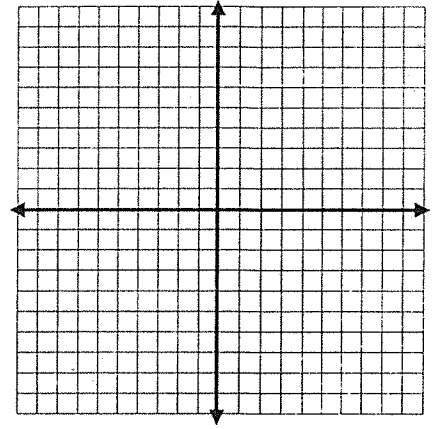
Now check that your answers are correct by substituting them into the equations above.

Check answer #1:

Check answer #2:

Solve the system of equations by graphing.

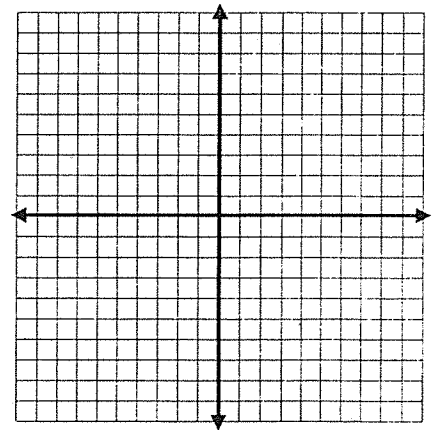
3.
$$\begin{cases} y = -2x - 3 \\ y = -2(x+1)^2 + 3 \end{cases}$$



Two solutions:

Solve the system of equations by graphing.

4.
$$\begin{cases} y = 4x + 3 \\ y = 2(x+2)^2 - 5 \end{cases}$$



Two solutions: